

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Patent Application**

<b>Inventor (s)</b>	<b>Gill</b>	<b>Docket No.</b>	<b>HSJ9-2003-0075US1</b>
<b>Serial No.</b>	<b>Not yet assigned</b>	<b>Art Unit</b>	<b>Not yet assigned</b>
<b>Filing Date</b>	<b>Not yet assigned</b>	<b>Examiner</b>	<b>Not yet assigned</b>
<b>Title:</b>	<b>DIFFERENTIAL SPIN VALVE SENSOR HAVING BOTH PINNED AND SELF-PINNED STRUCTURES</b>		

**MAIL STOP PATENT APPLICATION**

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**SIR:**

**INFORMATION DISCLOSURE STATEMENT**

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

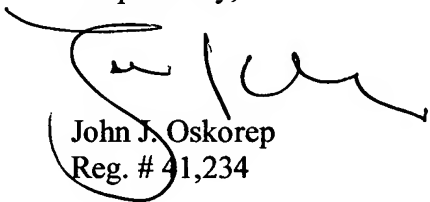
A copy of each of the listed documents is enclosed.

**NO FEE IS REQUIRED.**

The Examiner is respectfully requested to make the listed documents of record in connection with the prosecution of the subject application.

Respectfully,

Date: 30 Sept 2003

  
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets necessary)</i>				<b>COMPLETE IF KNOWN</b>	
				Application Number	Not Yet Assigned
				Filing Date	Not Yet Assigned
				First Named Inventor	Gill
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
<b>SHEET</b>	1	<b>OF</b>	1	Docket Number	HSJ9-2003-0032US1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
		5,701,222	B1	Gill et al.	12-13-1997	
		6,219,208	B1	Gill	04-17-2001	
		2003/0011939	A1	Gill	01-16-2003	
		2003/0011364	A1	Hosomi et al.	01-16-2003	
		6,473,275	B1	Gill	10-29-2002	
		6,469,873	B1	Maruyama et al.	10-22-2002	
		6,418,000	B1	Gibbons et al.	07-09-2002	
		6,317,297	B1	Tong et al.	11-13-2001	
		6,259,586	B1	Gill	07-10-2001	
		5,751,521		Gill	05-12-1998	
		5,748,399		Gill	05-05-1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				
			JP2002185060		Koji et al.	28-06-2002		
			WO 00/19226		Everitt	04-06-2000		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>
		Jian-Gang Zhu, Spin Valve and Dual Spin Valve Heads with Synthetic Antiferromagnets, IEEE Transactions on Magnetics, March 1999, 655-660, 35-2, USA	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.